

IN THE DRAWINGS

Please add new FIGS. 1-2 in sheets 1/2 and 2/2 labeled New Sheets, attached as an appendix to the present amendment.

REMARKS

Claims 1-3, 8, and 10 are amended. Claims 1-10 are pending.

New FIGS. 1-2 are added. Such new drawings are shown in the attached New Sheets.

The amendments to the specification, drawings, and claims are based on the application as originally filed, so it is respectfully submitted that no new matter has been added.

In the office action, the drawings were objected to under 37 C.F.R. § 1.83(a). The objection is unclear, since there are no drawings. It is respectfully submitted that the objection is directed to the lack of drawings to support claims 1 and 6.

New FIGS. 1-2 are added, and corresponding portions of the specification on page 2 of the international application as originally filed is amended to reference FIGS. 1-2 and appropriate reference numerals.

The new FIGS. 1-2 and the amended specification support claims 1 and 6, and no new matter has been added. Accordingly, reconsideration and withdrawal of the objection to the drawings are respectfully requested.

In the office action, claims 2-3, 8, and 10 were rejected under 35 U.S.C. § 112, second paragraph. Claims 1-3, 8, and 10 are amended to overcome the rejection, so reconsideration and withdrawal of the objection to the drawings are respectfully requested.

In the office action, claims 1-5 and 7-10 were rejected under 35 U.S.C. § 103(a) in view of European Patent Number EP 481,493 to Nishio and U.S. Patent Number 2,744,063 to Shockley. In addition, claim 6 was rejected under 35 U.S.C. § 103(a) in view of Nishio, Shockley, and U.S. Patent Number 3,027,269 to Teshima et al.

Independent claim 1 is amended to recite that the claimed wire includes “a conducting metal able to continually conduct a current” (emphasis added). For example, the claimed wire may be used for the “transmission of small and variable electric signals” while overcoming the problem of distortion at high or medium frequency ranges of the electric signals (page 1, lines 5-12 and 29-31).

Nishio does not disclose or suggest a wire including a conducting metal able to continually conduct a current. In fact, Nishio teaches away from the claimed invention for continually conducting current, since Nishio specifically teaches a “fuse conductor to be melted at a small current value” (Nishio, abstract, and page 3, lines 9-16).

Therefore, Nishio lacks all of the elements, steps, and features of the present invention.

One having ordinary skill in the art would not look to Nishio for the present invention, since the fuse conductor of Nishio is fabricated to specifically not conduct currents but instead to melt and cease conducting currents in order to function as a fuse, and Nishio cannot perform the objectives and functions of the present invention.

On the contrary, the present invention is fabricated to work as any other type of conducting wire for continually conducting current, and so the present invention operates in a totally different manner for a totally different function than the fuse conductor of Nishio.

Accordingly, the present invention in amended claim 1 is patentable over Nishio.

The Shockley and Teshima et al. patents do not cure the deficiencies of Nishio, since neither patent prevents the fuse conductor of Nishio from melting and from ceasing to continually conduct currents. There are no reasonable combinations of the Shockley and Teshima et al. patents which modify the operations and objectives of the fuse conductor of Nishio; that is, to melt and so to cease continually conduct currents, as in the present invention.

Therefore, the Shockley and Teshima et al. patents cannot provide the features of the claimed invention lacking from Nishio, and so the present invention is patentable over Nishio, Shockley, and Teshima et al., individually or in any reasonable combination.

Accordingly, claim 1 is patentable over the cited art.

Claims 2-10 depend from independent claim 1, and so includes the recitation of amended claim 1. Therefore, for the reasons set forth above, claims 2-10 are also patentable over the cited art.

Therefore, claims 1-10 are patentable over the cited art, so reconsideration and withdrawal of the rejection of claims 1-10 are respectfully requested.

Accordingly, entry and approval of the present amendment and allowance of all pending claims are respectfully requested.

In case of any deficiencies in fees by the filing of the present amendment, the Commissioner is hereby authorized to charge such deficiencies in fees to Deposit Account Number 01-0035.

Respectfully submitted,



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Date: July 7, 2006

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